

REACTION MECHANISM FOR BRAKE BOOSTER

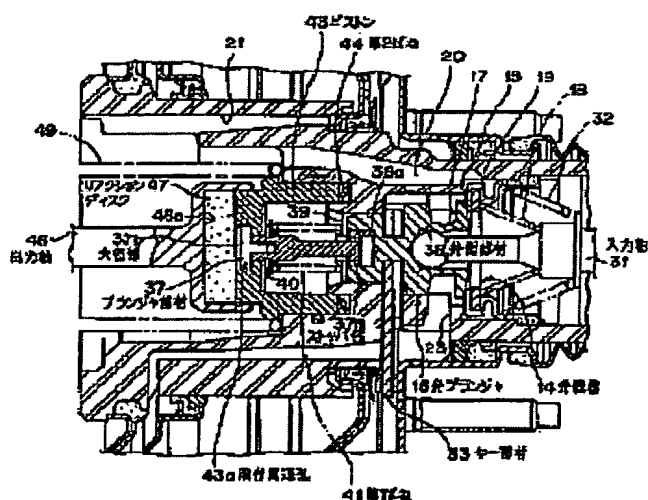
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Abstract of JP10059165

PROBLEM TO BE SOLVED: To provide a reaction mechanism for a brake booster in which freedom in selecting a spring of a necessary spring constant is large.

SOLUTION: A valve plunger 16 is composed of a plunger member 37 and a valve side member 38 provided to freely slide to each other, and a first spring 41 is provided between both. A piston 43 is freely slidably provided on a valve body 5, and a specified gap is formed between a rear side end surface of the plunger member 37 and the piston 43. A second spring 44 having a larger elasticity than elasticity of the first spring 41 is disposed between the piston 43 and the valve body 5, and the second spring 44 is set to be compressed only after the first spring 41 is compressed. As brake reaction is increased, the first spring 41 is compressed, so the plunger member 37 is applied to the piston 43, and the first spring 41 and the second spring 44 are then compressed. A change point of a servo ratio can be set by a compression opening point of the first spring 41, and size of the servo ratio after that can be set by size of elasticity of both springs 41, 44.



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